Docket No.: 12810-00232-US

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Markus Siegert et al.

Application No.: National Phase of

PCT/EP2004/011584

Filed: Concurrently Herewith Art Unit: N/A

For: METHOD FOR THE DISTILLATIVE

SEPARATION OF MIXTURES CONTAINING ETHYLENEAMINES

Examiner: Not Yet Assigned

Confirmation No.: N/A

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

10/574680 AP20 Rec'd PCT/PTO 04 APR 2006

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The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00232-US.

Dated: 4/4/06

Respectfully submitted,

Harold Pezzner

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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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""	State for form 1440/05/11	•		Application Number	Not Yell Assigned 8 1	
l IN	FORMATION	l DI	SCLOSURE	Filing Date	Concurrently Herewith	
l s	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Markus Siegert	
				Art Unit	N/A	
	(Use as many sh	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	12810-00232-US	

U.S. PATENT DOCUMENTS					
Examiner	C#4	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No. <sup>1</sup>	Number-Kind Code <sup>2</sup> ( if known)		Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA*	US-2,471,134	07-17-1946	Wright	
	AB*	US-4,230,533	10-28-1980	Giroux	
	AC*	US-6,627,756	09-30-2003	Riechers et al.	
-	AD*	US-2004/0220406	11-04-2004	Lang et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>e</sup>	
	BA	EP-0 122 367	10-24-1984	BASF Aktiengesellschaft		See Abstract	
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	ВН	DE-199 33 850	01-25-2001	BASF AG		See US 6,627,756	
	ВІ	WO-2005/014523	02-17-2005	BASF Aktiengesellschaft		See Abstract	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>			
	CA	Kaibel, G., "Distillation Columns with Vertical Partitions", Chem. Eng. Technol. 10 (1987), pp. 92-98.				
	СВ	Wolff, Erik A. et al., "Operation of Integrated Three-Product (Petlyuk) Distillation Columns", Ind. Eng. Chem. Res. 34 (1995), pp. 2094-2103.				
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Examiner	Date
Signature	Considered

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PTO/SB/08a/b (07-05)
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Substitu	te for form 1449A/	R/PTO	-	Complete if Known		
Substitu	le 101 101111 144 <i>37</i> 0	b/F10		Application Number	Not Yet Assigned, Q \	
INF	ORMATI	ON DISC	LOSURE	Filing Date	Concurrently Herewith	
STA	ATEMEN'	T BY AP	PLICANT	First Named Inventor	Markus Siegert	
(Use as many sheets as necessary)				Art Unit	N/A	
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		Lestak, F. et al., "Heat Transfer Across the Wall of Dividing Wall Columns", Trans IchemE 72				
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		Progress, American Institute of Chemical Engineers, NY, Bd. 98, Nr. 5, May 2002, pp. 64-71.				

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date
Signature	Considered

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.